

ABSTRACT OF THE DISCLOSURE

5 A single ducted valve assembly provides an integrated cryopump valve having a purge valve port connecting the assembly to a cryopump with a coaxial connection having an inner duct and an outer duct. A pressurized gas interface connects a pressurized gas source to the cryopump through the inner duct. A rough valve port can connect the outer duct of the assembly to a rough vacuum pump; and a relief valve port can connect the outer duct of the assembly to an exhaust stack.